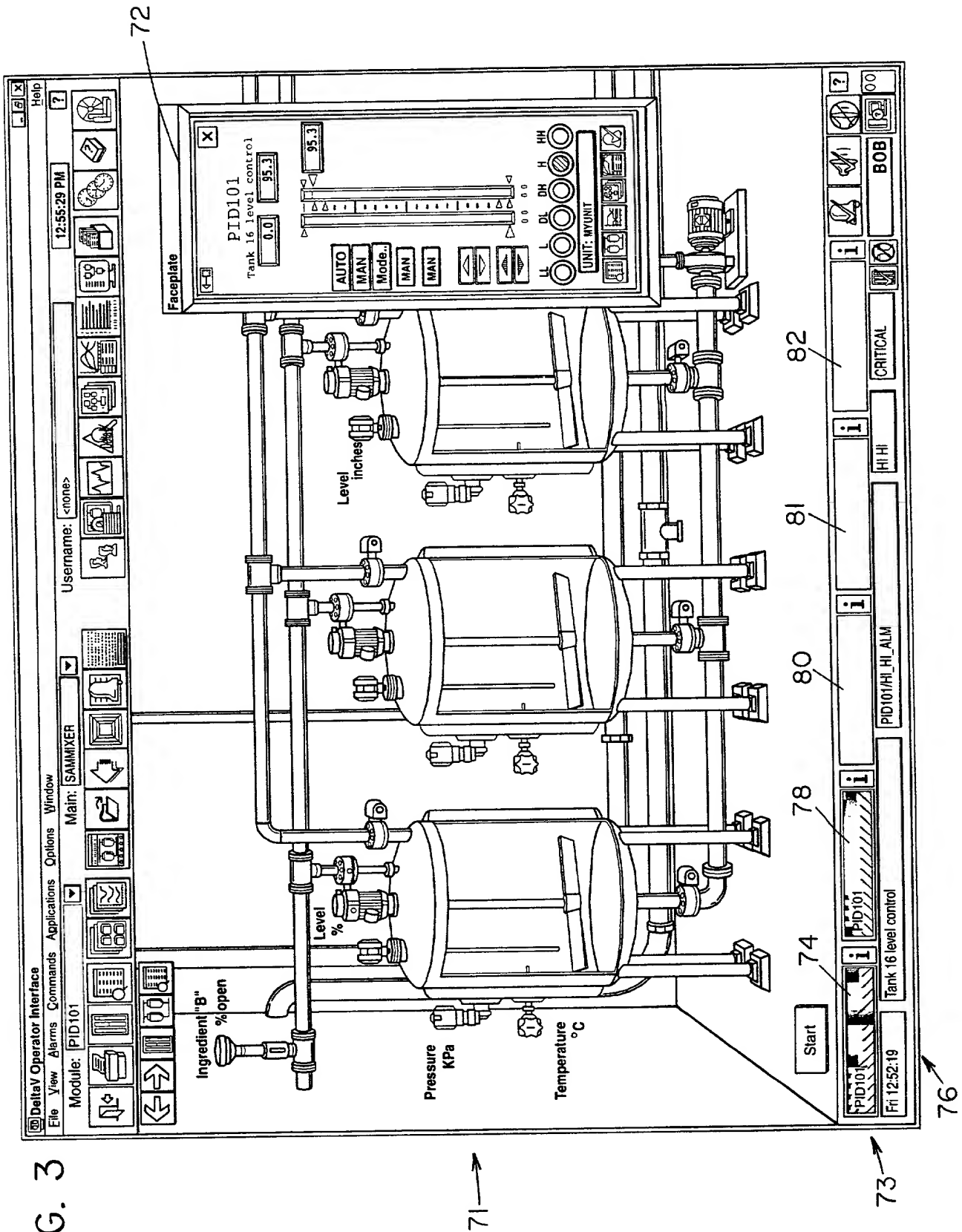


FIG. 2

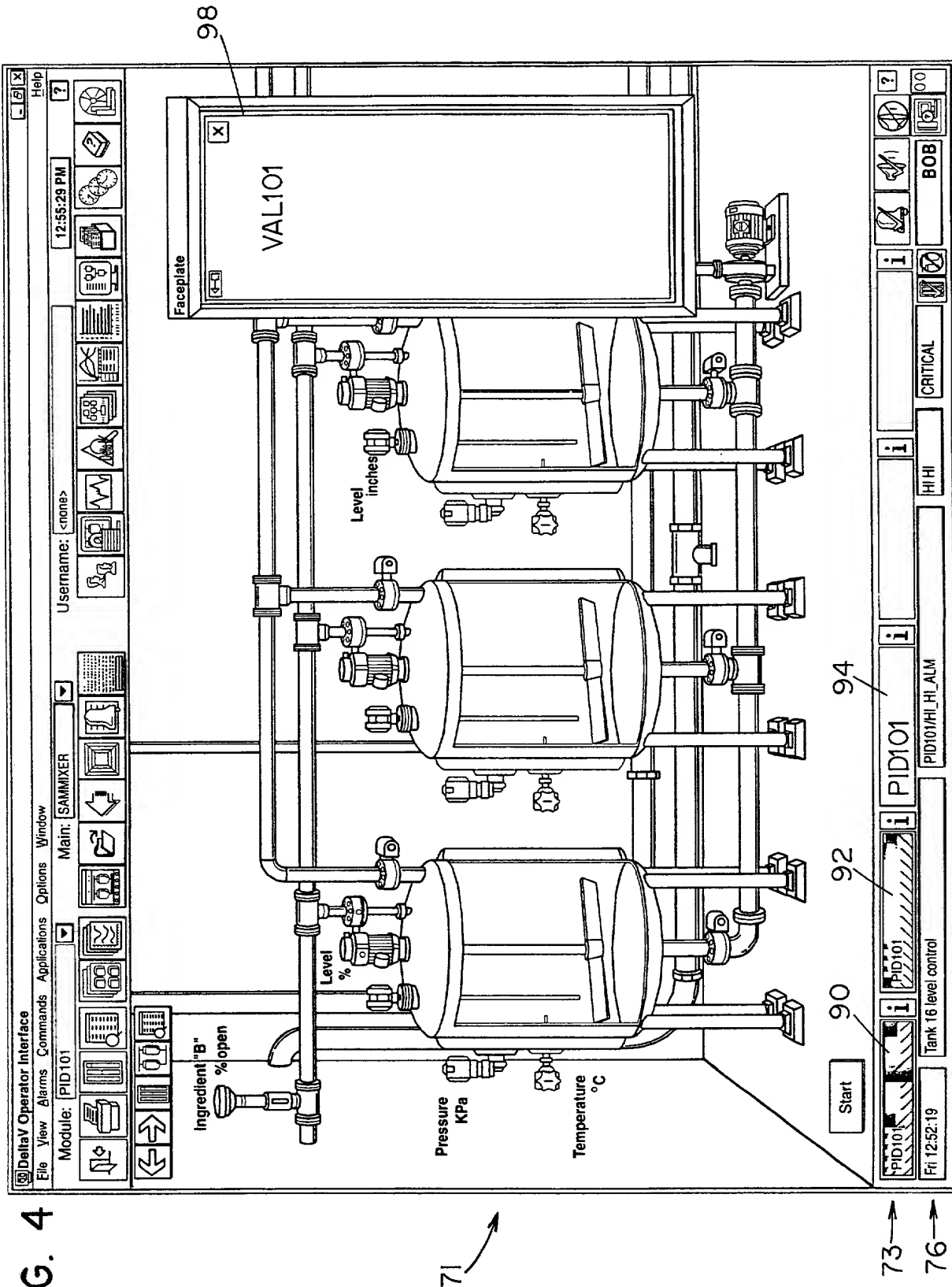
3 / 9

FIG. 3



4 / 9

FIG. 4



FIC-101	i	i	i	i	i
Mon 15:10:04	Reactor 1 jacket heat flow	FIC-101/HI_ALM	HIGH	WARNING	

Time	Unit	Alarm Parameter	Module Description	Alarm Word	Alarm Message	Priority
Mon 15:10:04	REACTOR1	FIC-101/HI_ALM	Reactor 1 jacket heat flow	HIGH	High Alarm Value 1027 Limit 1000	WARNING

FIG. 5

FV-101	i	i	i	i	i
Mon 15:10:04	Reactor 1 inlet valve	FV-101/FAILED_ALM	FAILED	CRITICAL	

Time	Unit	Alarm Parameter	Module Description	Alarm Word	Alarm Message	Priority
Mon 15:10:04	REACTOR1	FV-101/FAILED_ALM	Reactor 1 inlet valve	FAILED	I/P Feedback limit: 103.47	CRITICAL

FIG. 6

CTRL1	i	i	i	i	i
Mon 15:10:04	Room 4, cab 3, pos 2	CTRL1/CARD04_FAIL	FAILED	CRITICAL	

Time	Unit	Alarm Parameter	Module Description	Alarm Word	Alarm Message	Priority
Mon 15:10:04		CTRL1/CARD04_FAIL	Room 4, cab 3, pos 2	FAILED	Channel 7 failed	CRITICAL

FIG. 7

6 / 9

☐

FV-101

NO COMM

ACK

EN

SUP

☒

☐

FAILED

ACK

☒

☐

MAINT

ACK

☒

☐

ADVISE

ACK

☒

☐

Priority Adj

Details

FIG. 8

☐

FV-501

NO COMM

ACK

EN

SUP

☒

☐

ABNORMAL

ACK

☒

☐

Priority Adj

Details

FIG. 9

7 / 9

☐

CTLR1

CTLR_FAIL
CARD11_COMM
CARD27_FAIL
CARD02_COMM

ACK ALL

Disable Alarms ☐

Priority Adjust

Summary

FIG. 10

Show Alarms

Show Priority

☐

Alarm types:	Enable	Level >=
Process	<input checked="" type="checkbox"/>	<input type="text" value="4"/> All alarms
Hardware	<input checked="" type="checkbox"/>	<input type="text" value="8"/> Warning
Device	<input type="checkbox"/>	<input type="text"/> No alarms

FIG. 11

8 / 9

FIG. 12

Occurred	Unit	Alarm Parameter	Description	Alarm	Message	Priority
Wed 12:46:30		FIC-501/HI_ALM	Tank 5 outlet flow control	HI	Value = 1011.4 Limit = 1000	WARNING
Wed 11:48:54	REACTOR1	FV-101/FAILED_ALM	Reactor 1 jacket flow sensor	FAILED	IP Feedback limit 103.7	WARNING
Wed 10:51:18	REACTOR3	LIC-301/HI_HI_ALM	Reactor 3 Level control	HIHI	Value = 81.4 Limit = 78	CRITICAL
Wed 09:53:42		FIC-501/HI_ALM	Tank 5 outlet flow control	HI	Value = 1011.4 Limit = 1000	WARNING
Wed 08:56:06	REACTOR2	FV-102/MAINT_ALM	Reactor 2 jacket flow sensor	MAINT	Travel limit 35001	WARNING
Wed 07:58:30		FIC-501/HI_ALM	Tank 5 outlet flow control	HI	Value = 1011.4 Limit = 1000	WARNING
Wed 07:00:54		FIC-501/HI_ALM	Tank 5 outlet flow control	HI	Value = 1011.4 Limit = 1000	WARNING
Wed 06:03:18	REACTOR1	LIC-101/HI_HI_ALM	Reactor 1 Level control	HIHI	Value = 81.4 Limit = 78	ADVISORY
Wed 05:05:42	REACTOR2	LIC-102/HI_HI_ALM	Reactor 2 Level control	HIHI	Value = 81.4 Limit = 78	ADVISORY
Wed 04:08:06		FV-502/ADVISE_ALM	Tank 5 outlet flow sensor	ADVISE	Low variation for 60 minutes	ADVISORY

Process: 1 / 34 Device: 1 / 2 Sort: Banner

FIG. 13

Occurred	Unit	Alarm Parameter	Description	Alarm	Message	Priority
Wed 12:46:30		FIC-501/HI_ALM	Tank 5 outlet flow control	HI	Value = 1011.4 Limit = 1000	WARNING
Wed 11:48:54	REACTOR1	FV-101/FAILED_ALM	Reactor 1 jacket flow sensor	FAILED	IP Feedback limit 103.7	WARNING
Wed 10:51:18	REACTOR3	LIC-301/HI_HI_ALM	Reactor 3 Level control	HIHI	Value = 81.4 Limit = 78	CRITICAL
Wed 09:53:42		FIC-501/HI_ALM	Tank 5 outlet flow control	HI	Value = 1011.4 Limit = 1000	WARNING
Wed 08:56:06	REACTOR2	FV-102/MAINT_ALM	Reactor 2 jacket flow sensor	MAINT	Travel limit 35001	WARNING
Wed 07:58:30		FIC-501/HI_ALM	Tank 5 outlet flow control	HI	Value = 1011.4 Limit = 1000	WARNING
Wed 07:00:54		FIC-501/HI_ALM	Tank 5 outlet flow control	HI	Value = 1011.4 Limit = 1000	WARNING
Wed 06:03:18	REACTOR1	LIC-101/HI_HI_ALM	Reactor 1 Level control	HIHI	Value = 81.4 Limit = 78	ADVISORY
Wed 05:05:42	REACTOR2	LIC-102/HI_HI_ALM	Reactor 2 Level control	HIHI	Value = 81.4 Limit = 78	ADVISORY
Wed 04:08:06		FV-502/ADVISE_ALM	Tank 5 outlet flow sensor	ADVISE	Low variation for 60 minutes	ADVISORY

Process: 1 / 34 Device: 1 / 2 Sort: Banner

FIG. 14

Occurred	Unit	Alarm Parameter	Description	Alarm	Message	Priority
Wed 12:46:30		FIC-501/HI_ALM	Tank 5 outlet flow control	HI	Value = 1011.4 Limit = 1000	WARNING
Wed 11:48:54	REACTOR1	FV-101/FAILED_ALM	Reactor 1 jacket flow sensor	FAILED	IP Feedback limit 103.7	WARNING
Wed 10:51:18	REACTOR3	LIC-301/HI_HI_ALM	Reactor 3 Level control	HIHI	Value = 81.4 Limit = 78	CRITICAL
Wed 09:53:42		FIC-501/HI_ALM	Tank 5 outlet flow control	HI	Value = 1011.4 Limit = 1000	WARNING
Wed 08:56:06	REACTOR2	FV-102/MAINT_ALM	Reactor 2 jacket flow sensor	MAINT	Travel limit 35001	WARNING
Wed 07:58:30		FIC-501/HI_ALM	Tank 5 outlet flow control	HI	Value = 1011.4 Limit = 1000	WARNING
Wed 07:00:54		FIC-501/HI_ALM	Tank 5 outlet flow control	HI	Value = 1011.4 Limit = 1000	WARNING
Wed 06:03:18	REACTOR1	LIC-101/HI_HI_ALM	Reactor 1 Level control	HIHI	Value = 81.4 Limit = 78	ADVISORY
Wed 05:05:42	REACTOR2	LIC-102/HI_HI_ALM	Reactor 2 Level control	HIHI	Value = 81.4 Limit = 78	ADVISORY
Wed 04:08:06		FV-502/ADVISE_ALM	Tank 5 outlet flow sensor	ADVISE	Low variation for 60 minutes	ADVISORY

Date/Time	Event Type	Category	Area	Node	Module	Parameter	State	Level	Desc1	Desc2
xxxxxx	ALARM	PROCESS	AREA_A	CTRL1	REACTOR1/FIC-101	HI_ALM	ACT/UNACK	11-WARNING	HIGH	High Alarm Value 1027 Limit 1000
xxxxxx	ALARM	PROCESS	AREA_A	CTRL1	REACTOR1/FIC-101	HI_ALM	ACT/ACK	11-WARNING	HIGH	High Alarm Value 1014 Limit 1000
xxxxxx	ALARM	PROCESS	AREA_A	CTRL1	REACTOR1/FIC-101	HI_ALM	INACT/ACK	11-WARNING	HIGH	High Alarm Value 998 Limit 1000
xxxxxx	ALARM	DEVICE	AREA_A	CTRL1	REACTOR1/FV-101	FAILED_ALM	ACT/UNACK	15-CRITICAL	FAILED	I/P Feedback limited: 103.47
xxxxxx	ALARM	DEVICE	AREA_A	CTRL1	REACTOR1/FV-101	FAILED_ALM	ACT/ACK	15-CRITICAL	FAILED	I/P Feedback limited: 103.47
xxxxxx	ALARM	DEVICE	AREA_A	CTRL1	REACTOR1/FV-101	FAILED_ALM	INACT/ACK	15-CRITICAL	OK	I/P Feedback limited: 99.8

FIG. 15